

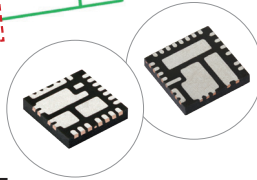
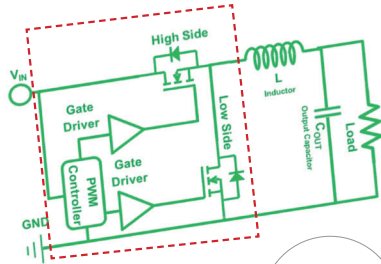


The DNA of tech.®

高度に統合されたPOLソリューション microBUCK® および microBRICK™ DC/DC レギュレータ

小型・簡単・高効率

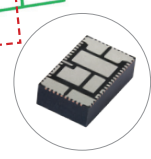
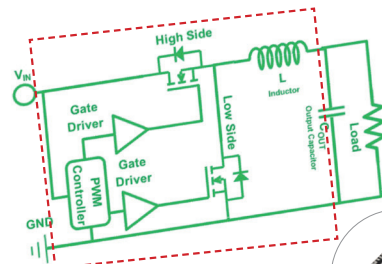
2 A ~ 40 Aの最適なバックコンバータをお選びください



microBUCK®

1 POL regulator + 2 MOSFETs

SiC43x / SiC45x / SiC46x / SiC47x Series
MLP 4 x 4 / 5 x 5 / 5 x 7



microBRICK®

1 POL regulator + 2 MOSFETs + 1 inductor

Si93x / SiC96x / SiC95x Series
MLP 10 x 6

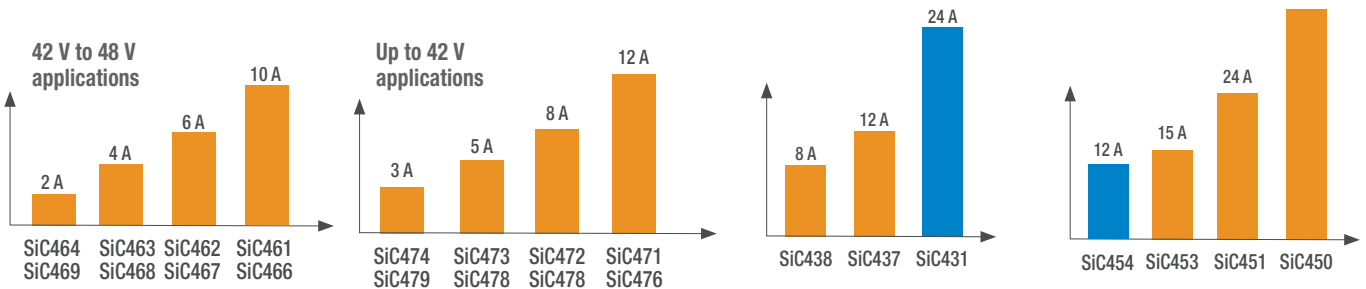
a large portfolio of high density parts with common pinouts, allowing designers to scale for the best combination of cost and performance.

多数のパワーを一つに統合

ビシェイの高度に統合された microBUCK® および microBRICK® POLソリューションは、高効率を提供しながらコストを削減します。各ファミリーは共通のピン配置を持つ高密度な部品の幅広いポートフォリオを提供し、設計者はコストと性能の最適な組み合わせのスケールアップが可能です。

スケーラブルソリューション

microBUCK®



SiC47x : $V_{IN} = 4.5 \text{ V to } 55 \text{ V}$

PowerPAK® 5 x 5 Package

SiC46x : $V_{IN} = 4.5 \text{ V to } 60 \text{ V}$

$V_{IN} = 3 \text{ V to } 28 \text{ V}$ $V_{IN} = 3 \text{ V to } 24 \text{ V}$
PowerPAK® 4 x 4 Package

SiC45x : $V_{IN} = 4.5 \text{ V to } 20 \text{ V}$

PowerPAK® 5 x 5 Package
PowerPAK® 5 x 7 Package

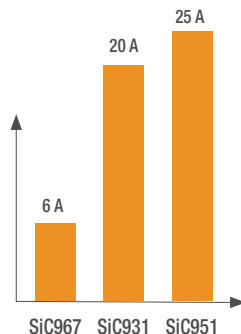
microBRICK®

SiC967: $V_{IN} = 4.5 \text{ V to } 60 \text{ V}$

SiC931: $V_{IN} = 4.5 \text{ V to } 18 \text{ V}$

SiC951 $V_{IN} = 4.5 \text{ V to } 20 \text{ V}$

PowerPAK® 10 x 6 Package



堅牢、高信頼性



PowerCAD

design tool

オンライン PowerCAD シミュレーションツールを使用してアプリケーションを設計する



高度に統合されたPOLソリューション

microBUCK® および microBRICK™ DC/DC レギュレータ

The DNA of tech.®

microBUCK®

Family	P/N	Input (V)	V _{out} (V)	Maximum Current	Compensation		Features			Protections			Package	
					Internal	External	PGOOD	SYNC	PMBUS	VCC-UVLO	OC	OVP/UV		OTP
SiC43x	SiC438	4.5 V to 20 V	0.6 V to 0.9* V _{IN}	8 A	√	-	√	-	-	√	√	√	√	4 mm x 4 mm
	SiC437			12 A	√	-	√	-	-	√	√	√	√	
	SiC431			24 A	√	-	√	-	-	√	√	√	√	
SiC45x	SiC454	4.5 V to 20 V	0.3 V to 12 V	12 A	√	-	√	√	√	√	√	√	√	5 mm x 5 mm
	SiC453			15 A	√	-	√	√	√	√	√	√	√	5 mm x 7 mm
	SiC451			25 A	√	-	√	√	√	√	√	√	√	
	SiC450			40 A	√	-	√	√	√	√	√	√	√	
SiC46x	SiC469	4.5 V to 60 V	0.8 V to 15 V	2 A	√	-	√	-	-	√	√	√	√	5 mm x 5 mm
	SiC468			4 A	√	-	√	-	-	√	√	√	√	
	SiC467			6 A	√	-	√	-	-	√	√	√	√	
	SiC466			10 A	√	-	√	-	-	√	√	√	√	
	SiC464	0.8 V to 55 V	2 A	-	√	√	-	-	√	√	√	√		
	SiC463		4 A	-	√	√	-	-	√	√	√	√		
	SiC462		6 A	-	√	√	-	-	√	√	√	√		
	SiC461		10 A	-	√	√	-	-	√	√	√	√		
SiC47x	SiC479	4.5 V to 55 V	0.8 V to 15 V	3 A	√	-	√	-	-	√	√	√	√	5 mm x 5 mm
	SiC478			5 A	√	-	√	-	-	√	√	√	√	
	SiC477			8 A	√	-	√	-	-	√	√	√	√	
	SiC476			12 A	√	-	√	-	-	√	√	√	√	
	SiC474	0.8 V to 50 V	3 A	-	√	√	-	-	√	√	√	√		
	SiC473		5 A	-	√	√	-	-	√	√	√	√		
	SiC472		8 A	-	√	√	-	-	√	√	√	√		
	SiC471		12 A	-	√	√	-	-	√	√	√	√		

microBRICK®

Family	P/N	V _{IN} (V)	V _{out} (V)	Maximum Current	Compensation		Features			Protections			Package
					Internal	External	PGOOD	SYNC	PMBUS	VCC-UVLO	OC	OVP/UV	
SiC9xx	SiC951	4.5 V to 20 V	0.3 V to 5.5 V	25 A	√		√	√	√	√	√	√	10 mm x 6 mm x 3 mm
	SiC931	4.5 V to 18 V	0.6 V to 12 V	20 A	√		√			√	√	√	
	SiC967	4.5 V to 60 V	0.8 V to 15 V	6 A	√		√			√	√	√	